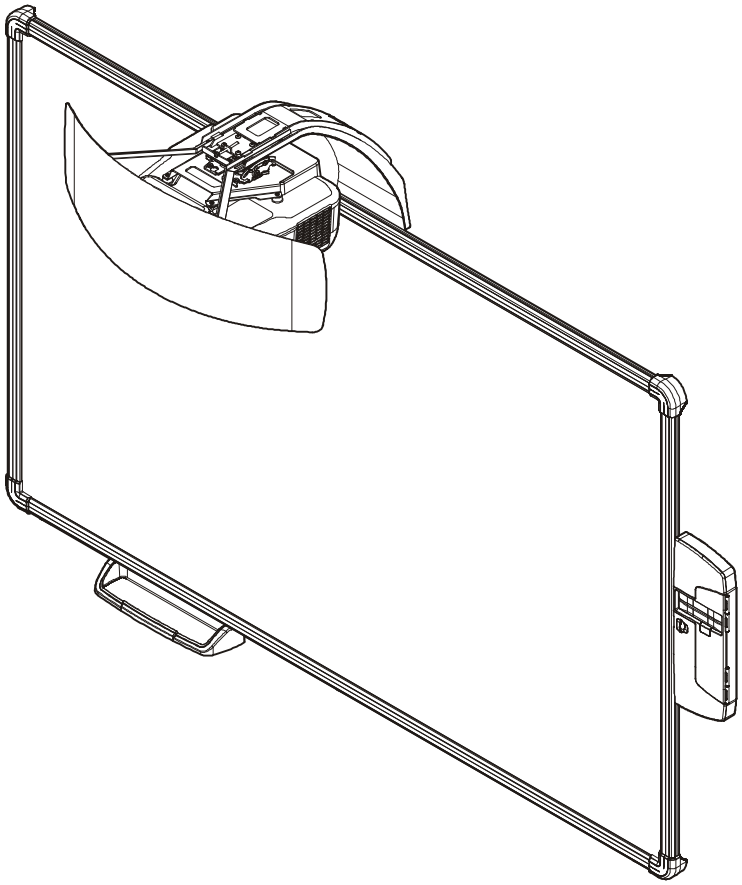
INSTALLATION INSTRUCTIONS



All-in-One System

CHIEF®
Our Mounts. **Your Vision.**

AN1 Series

DISCLAIMER

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IMPORTANT SAFETY INSTRUCTIONS

WARNING: A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

CAUTION: A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

WARNING: Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.

WARNING: Failure to provide adequate structural strength for this component can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this component is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the component. The wall to which the mount is being attached may have a **minimum** drywall thickness of 5/8" (1.6cm) for wood and steel stud walls, and NO drywall on concrete walls.

WARNING: Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

WARNING: Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.

WARNING: Do not use this product outdoors.

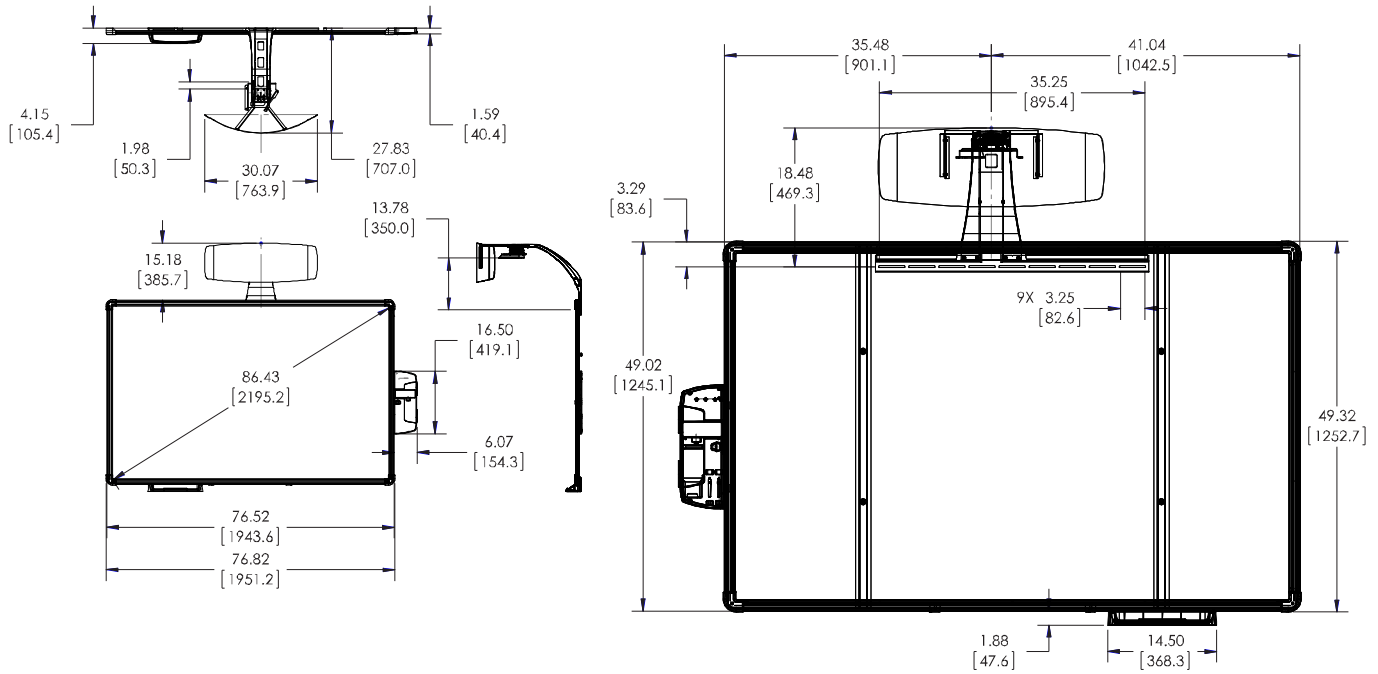
IMPORTANT ! : The AN1 Series mounts are designed to be used **ONLY** with the Epson BrightLink Pro 1410Wi projector.

IMPORTANT ! : The AN1 Series mounts are designed to be mounted to:

- an 8" concrete or 8"x8"x16" concrete block wall;
- a 2" x 4" wood studs (16" on center minimum) wall;
- a 2" x 4"-25ga minimum steel studs (16" on center minimum) wall.

--SAVE THESE INSTRUCTIONS--

DIMENSIONS



DIMENSIONS: INCHES
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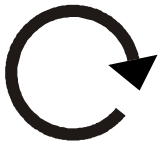
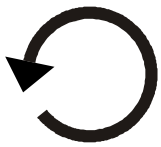
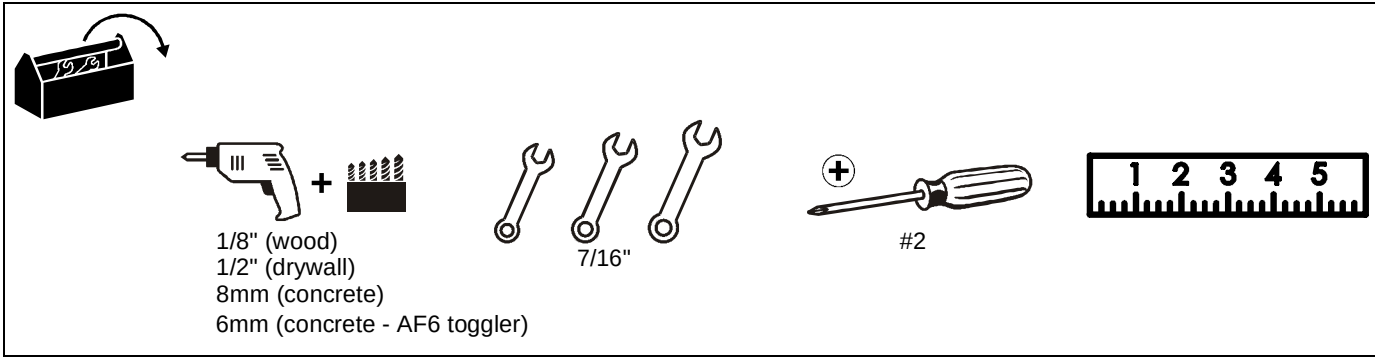
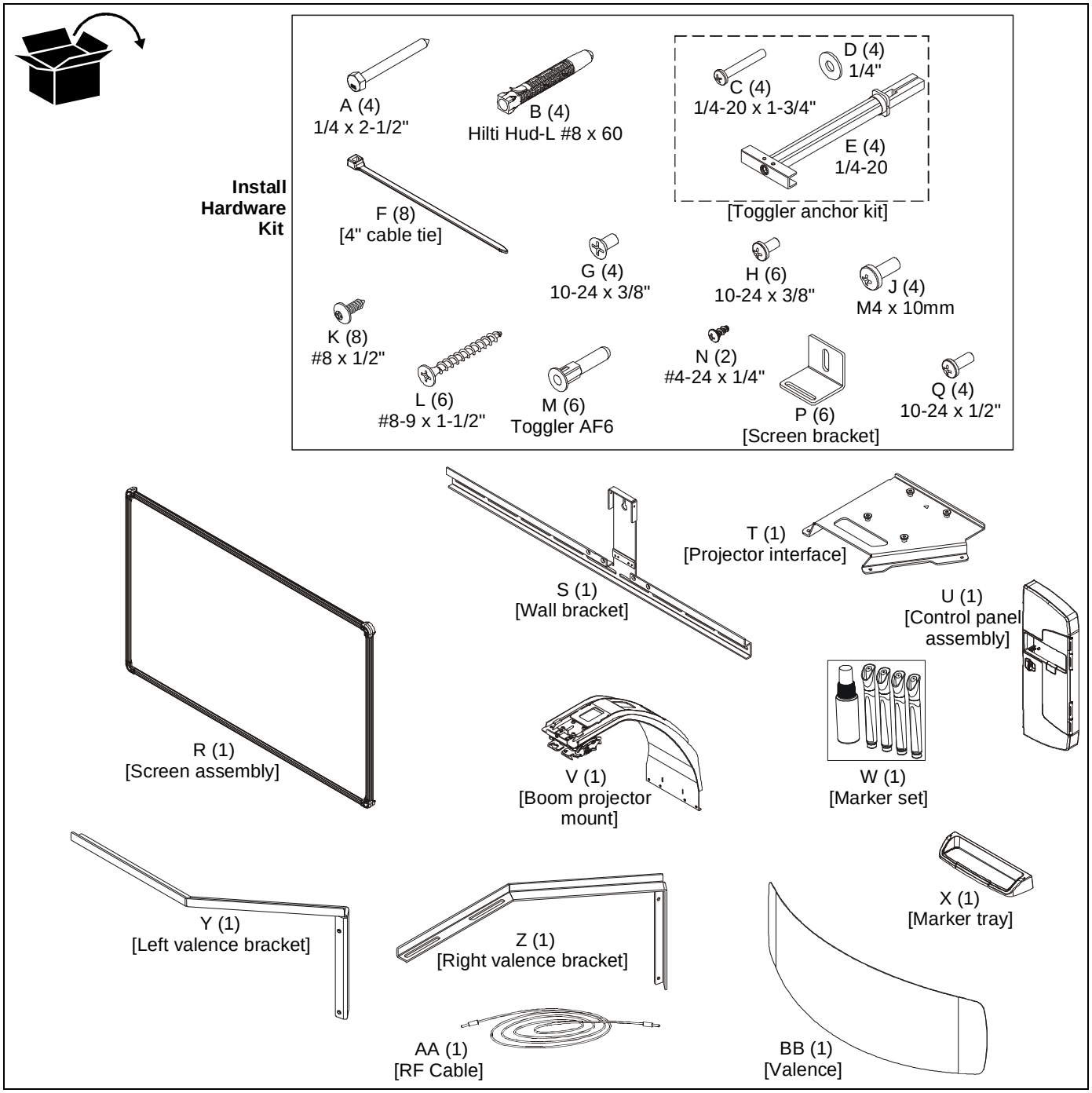
LEGEND

	Tighten Fastener Apretar elemento de fijación Befestigungsteil festziehen Apertar fixador Serrare il fissaggio Bevestiging vastdraaien Serrez les fixations
	Loosen Fastener Aflojar elemento de fijación Befestigungsteil lösen Desapertar fixador Allentare il fissaggio Bevestiging losdraaien Desserrez les fixations
	Phillips Screwdriver Destornillador Phillips Kreuzschlitzschraubendreher Chave de fendas Phillips Cacciavite a stella Kruiskopschroevendraaier Tournevis à pointe cruciforme
	Open-Ended Wrench Llave de boca Gabelschlüssel Chave de bocas Chiave a punte aperte Steeksleutel Clé à fourche
	By Hand A mano Von Hand Com a mão A mano Met de hand À la main
	Hex-Head Wrench Llave de cabeza hexagonal Sechskantschlüssel Chave de cabeça sextavada Chiave esagonale Zeskantsleutel Clé à tête hexagonale
	Pencil Mark Marcar con lápiz Stiftmarkierung Marcar com lápis Segno a matita Potloodmerkteken Marquage au crayon
	Drill Hole Perforar Bohrloch Fazer furo Praticare un foro Gat boren Percez un trou
	Adjust Ajustar Einstellen Ajustar Regolare Afstellen Ajuster
	Remove Quitar Entfernen Remover Rimuovere Verwijderen Retirez
	Optional Opcional Optional Opcional Opzionale Optie En option
	Security Wrench Llave de seguridad Sicherheitsschlüssel Chave de segurança Chiave di sicurezza Veiligheidssleutel Clé de sécurité

TOOLS REQUIRED FOR INSTALLATION



PARTS



INSTALLATION

Determining Location

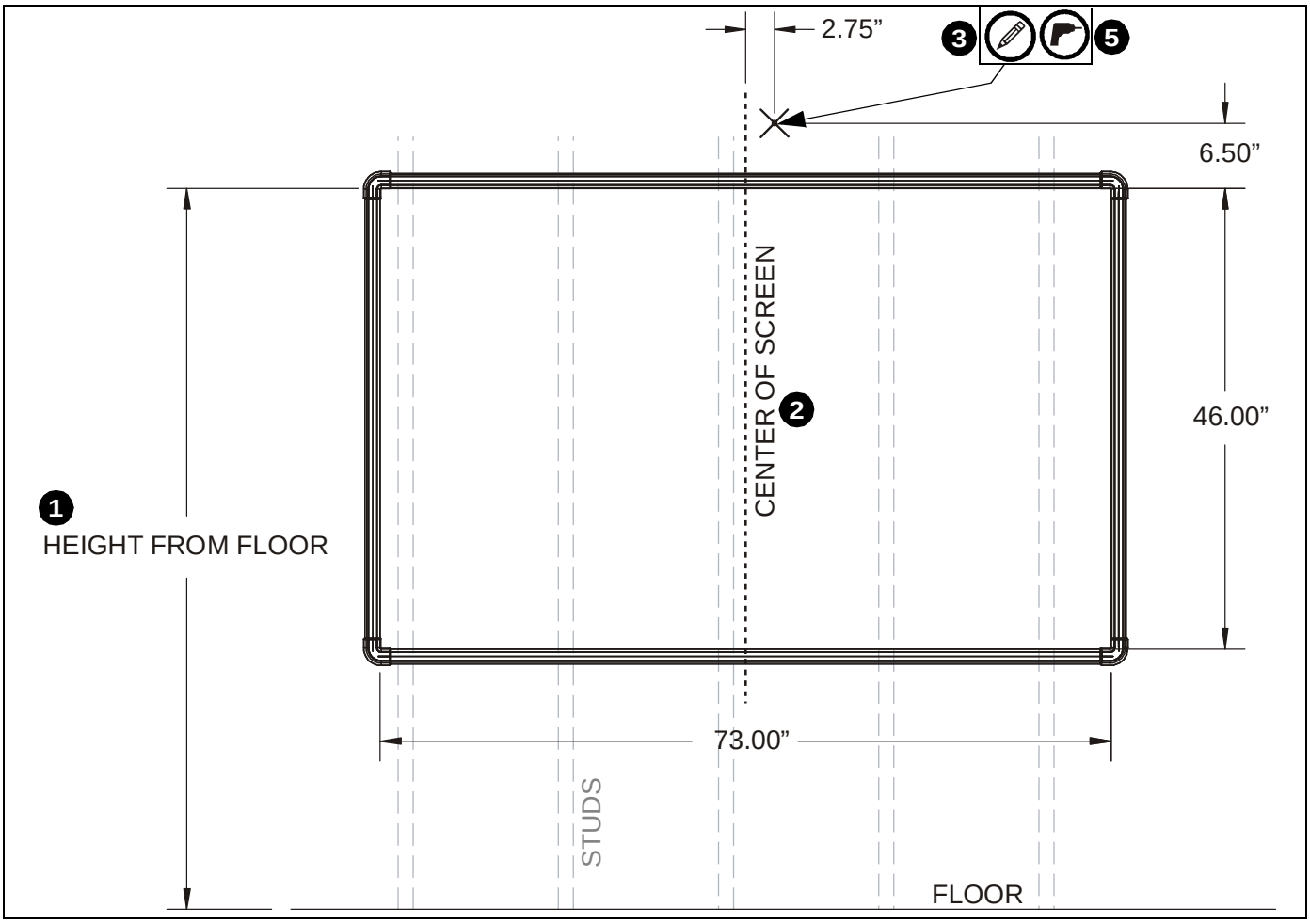


Figure 1

1. Determine desired height of screen (measured from floor). (See Figure 1)
2. Determine desired center of screen. (See Figure 1)
3. Measure **6.5 inches up** from desired height (top) of screen and **2.75 inches to the right** of center of screen and mark location. (See Figure 1)
4. Determine location of studs behind drywall.
5. Drill one pilot hole (see Table 1 for size) at location marked in Step 3 (See Figure 1) and follow fastener information (appropriate for wall type) located in Table 1.

IMPORTANT ! : See **Fastener Installation Methods** at end of Installation Instructions for details on installing product into various wall types.

Table 1: Fastener Information

WALL TYPE	PILOT HOLE	FASTENERS (see PARTS drawing)
Drywall only- (boom attach only) / Steel studs	1/2"	1/4-20 Toggler anchor kit (**C, D, E**) - 1/4-20 x 1-3/4" Phillips screw (**C**) - 1/4" washer (**D**) - 1/4-20 Snap toggler (**E**)
Wood stud	1/8"	1/4 x 2-1/2" hex head lag (**A**)
Concrete	8mm x 80mm	1/4 x 2-1/2" hex head lag (**A**) Hilti Hud-L #8x60 anchor (**B**)
	(Only for installing screen bracket into concrete) 6mm x 45mm	#8-9x1-1/2" Phillips screw(**L**) Toggler AF6 (**M**)

Installing Wall Bracket / Boom Projector Mount

1. Install one fastener (See Table 1) into previously drilled hole, leaving 1/2" of fastener extending from wall. (See Figure 2)

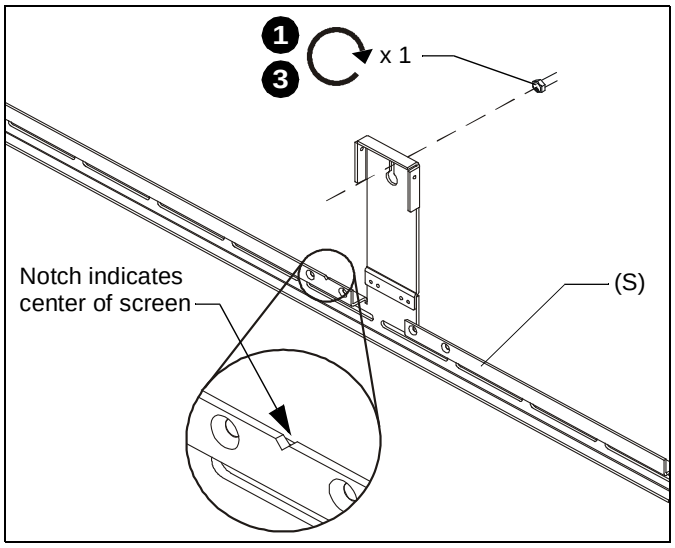


Figure 2

2. Hang wall bracket (S) onto fastener.

NOTE: Notch in wall bracket (S) indicates center of screen. (See Figure 2)

3. Tighten fastener against wall bracket.
4. Lower boom projector mount (V) onto wall bracket (S) matching two fastener holes in upper arm with holes in upper wall bracket. (See Figure 3)
5. Align four fastener holes along bottom of boom projector mount with four holes in wall bracket. (See Figure 3)

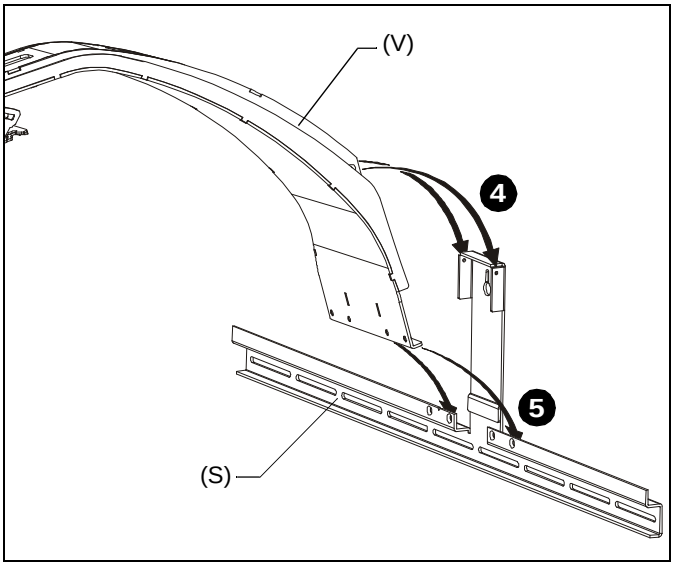


Figure 3

6. Install and tighten two 10-24 x 3/8" Phillips cap head screws (H) through upper arm of boom projector mount (V) into vertical portion of wall bracket (S). (See Figure 4)
7. Install and tighten four 10-24 x 3/8" Phillips flat head screws (G) through wall bracket (S) into boom projector arm (V). (See Figure 4)
8. Determine location of studs behind drywall, and mark a minimum of two locations for wall bracket attachment over studs.

NOTE: For concrete walls, mark at least two locations for attachment a minimum of 16" apart AND within slots on wall bracket (S).

9. Drill one pilot hole (see Table 1 for size) at each location marked in Step 8 (See Figure 4) and follow fastener information (appropriate for wall type) located in Table 1.

NOTE: Proceed to **Fastener Installation Methods** section at end of Installation Instructions.

10. Fasten wall bracket assembly to wall using fasteners appropriate to wall type (See Table 1). (See Figure 4)

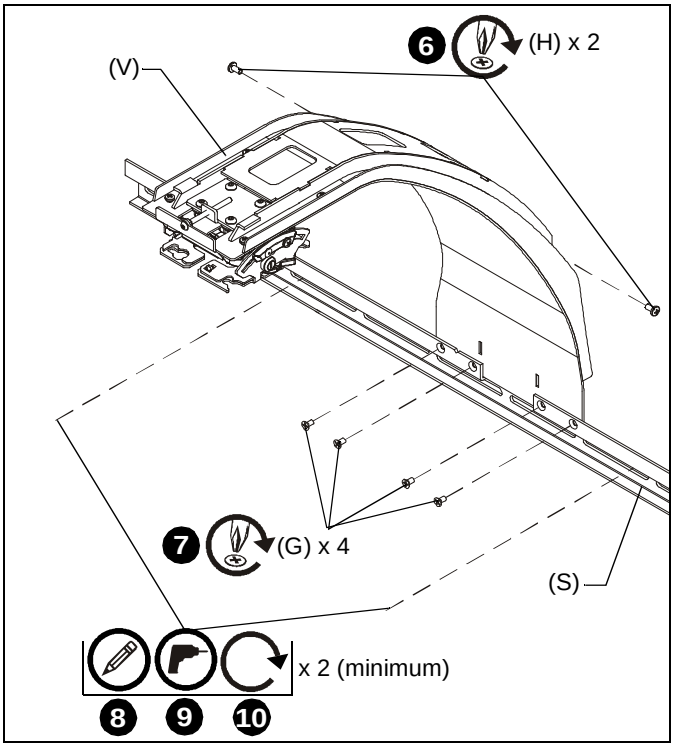


Figure 4

Attaching Screen

1. Hang screen assembly (R) onto wall bracket (S) using pre-installed bracket on back of screen assembly. (See Figure 5)
2. Center screen assembly on wall bracket, matching pieces of tape on top of screen with edges of boom mount on wall bracket.

NOTE: Notch in wall bracket (S) indicates center of screen. (See Figure 2)

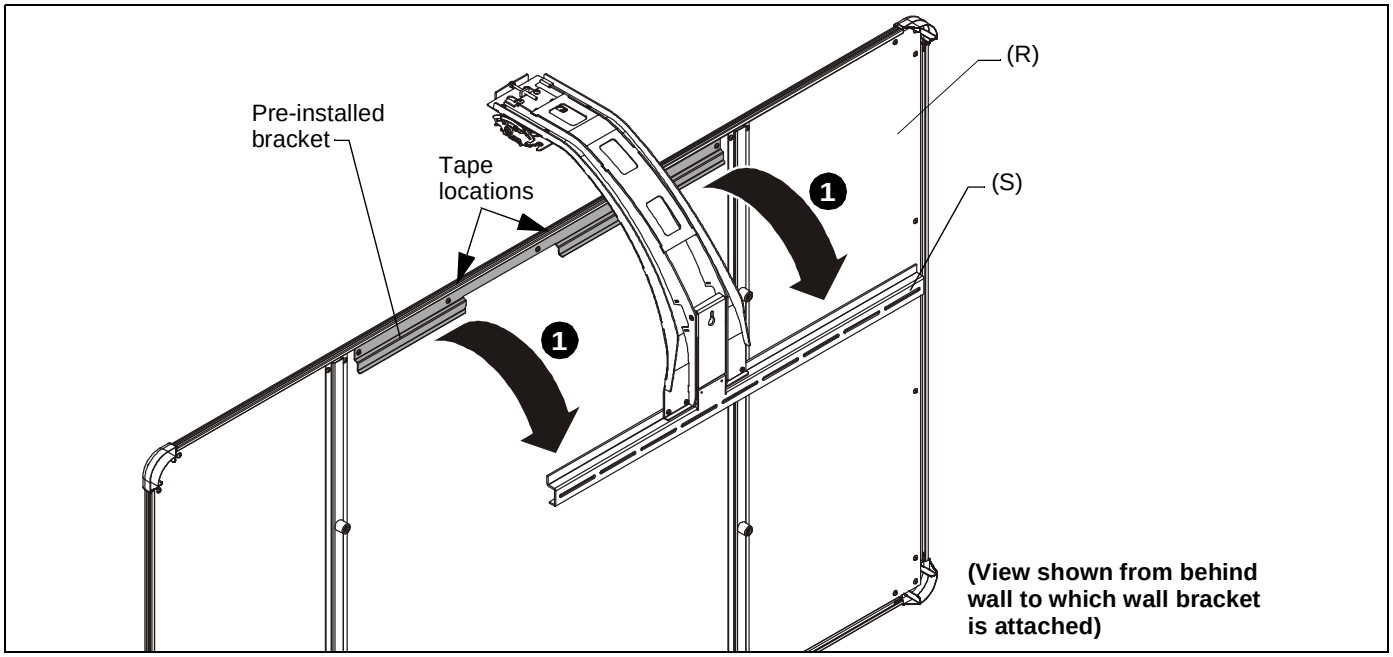


Figure 5

3. Using screen brackets (P) as a template, locate studs, slide bracket up under screen, and trace line under brackets at locations on studs or on concrete wall. (See Figure 6)

NOTE: Use 3 screen brackets (**minimum** of 2 brackets) along bottom of screen, and locate brackets as close to outer corners as possible. Remaining brackets may be used along sides of screen, as desired.

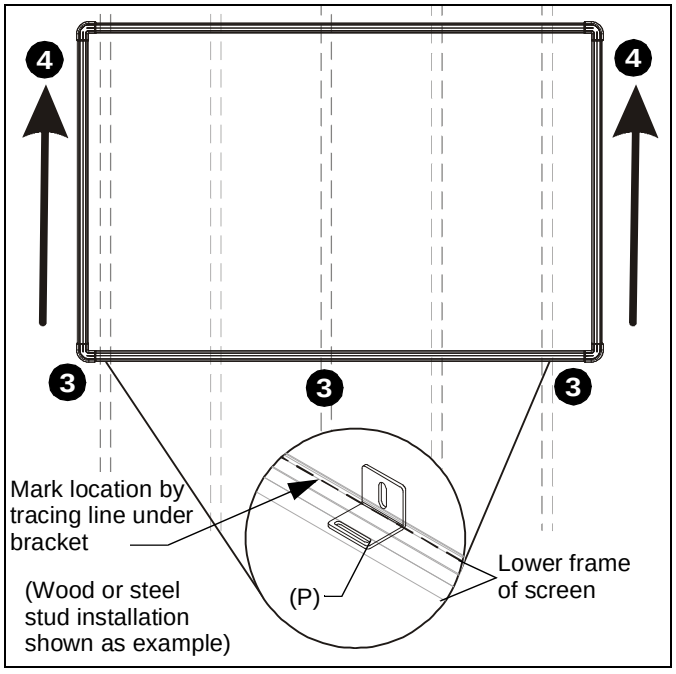


Figure 6

4. Lift and remove screen from wall bracket.
5. Install screen brackets (P) using:
   - **Wood/steel studs:** one #8-9 x 1-1/2" wood screw (L) into **top** of each bracket slot and **slightly lower** than marked location. (See Figure 6)
   - **Concrete wall:** one #8-9 x 1-1/2" wood screw (L) into **top** of each bracket slot and **slightly lower** than marked location, and into installed AF6 toggler. (See Figure 6)
6. Replace screen onto wall bracket.
7. Slide screen brackets (P) up on wood screw and fasten to screen frame using one #8 x 1/2" self-drilling screw (K) per screen bracket (P). (See Figure 7)

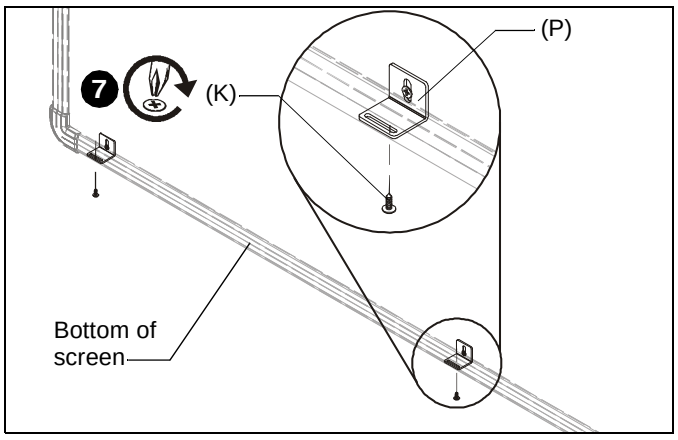


Figure 7

Installing Projector

1. Attach projector interface (T) to projector using four M4 x 10mm Phillips cap head screws (J). (See Figure 8)

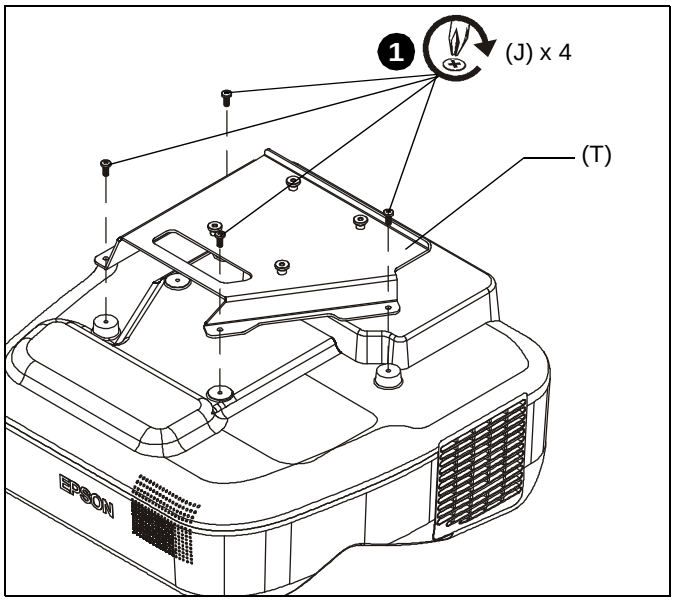


Figure 8

2. Lift projector with attached interface (T) and slide buttons on interface into slots on boom projector mount (V). (See Figure 9)

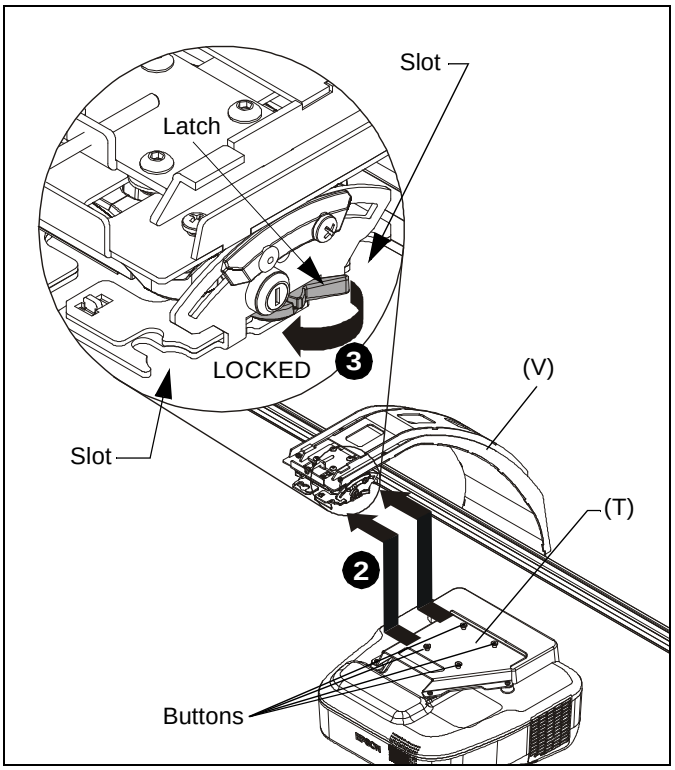


Figure 9

3. Slide latch to LOCKED position to lock projector in place. (See Figure 9)

Installing Control Housing

1. Open door on control panel assembly (U).
2. Insert edges of control panel assembly (U) into groove in screen frame, with tab placed behind screen. (See Figure 10)
3. Slide control panel assembly up along side of screen assembly to the desired height. (See Figure 10)

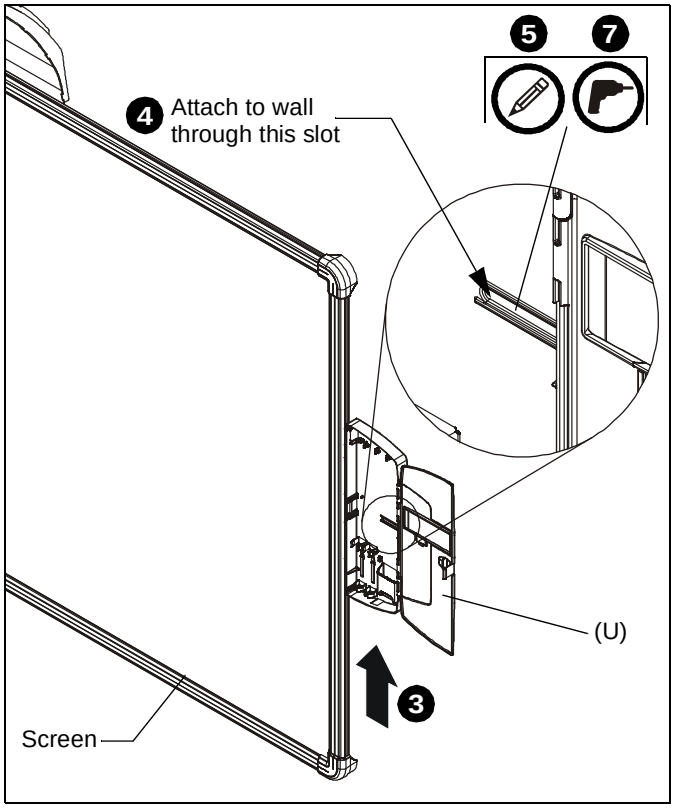


Figure 10

4. Determine attachment location on wall. (See Figure 10)
5. Mark attachment hole through slot in control panel assembly (U). (See Figure 10)
6. Slide control panel assembly up or down, away from marked hole.
7. Drill one pilot hole (see Table 1 for size) at location marked in Step 5 (See Figure 10) and follow fastener information (appropriate for wall type) located in Table 1.
8. Proceed to **Fastener Installation Methods** section at end of Installation Instructions.

Installing Control Pad

1. Remove top cover from control pad. (See Figure 11)
2. Open lower cover on control pad. (See Figure 11)
3. Insert control pad into control housing (U) by sliding it up under tabs inside housing. (See Figure 11)

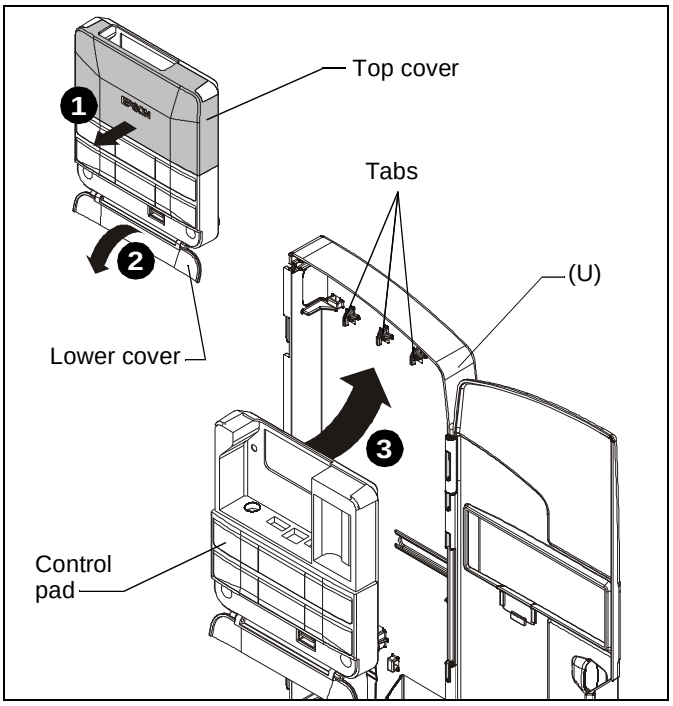


Figure 11

4. Align holes in control pad with bosses in control housing and push control pad into place. (See Figure 12)
5. Secure control pad into place using two #4-24 x 1/4" Phillips pan head screws (N). Do NOT over tighten. (See Figure 12)
6. Attach all cables, including RF cable (AA), to control pad following instructions included with projector/control pad.

IMPORTANT ! : Connect cables BEFORE replacing control pad cover.

7. Use cable ties (F), as necessary, to secure the cables within control panel. (See Figure 12)
8. Replace top cover onto control pad. (See Figure 12)

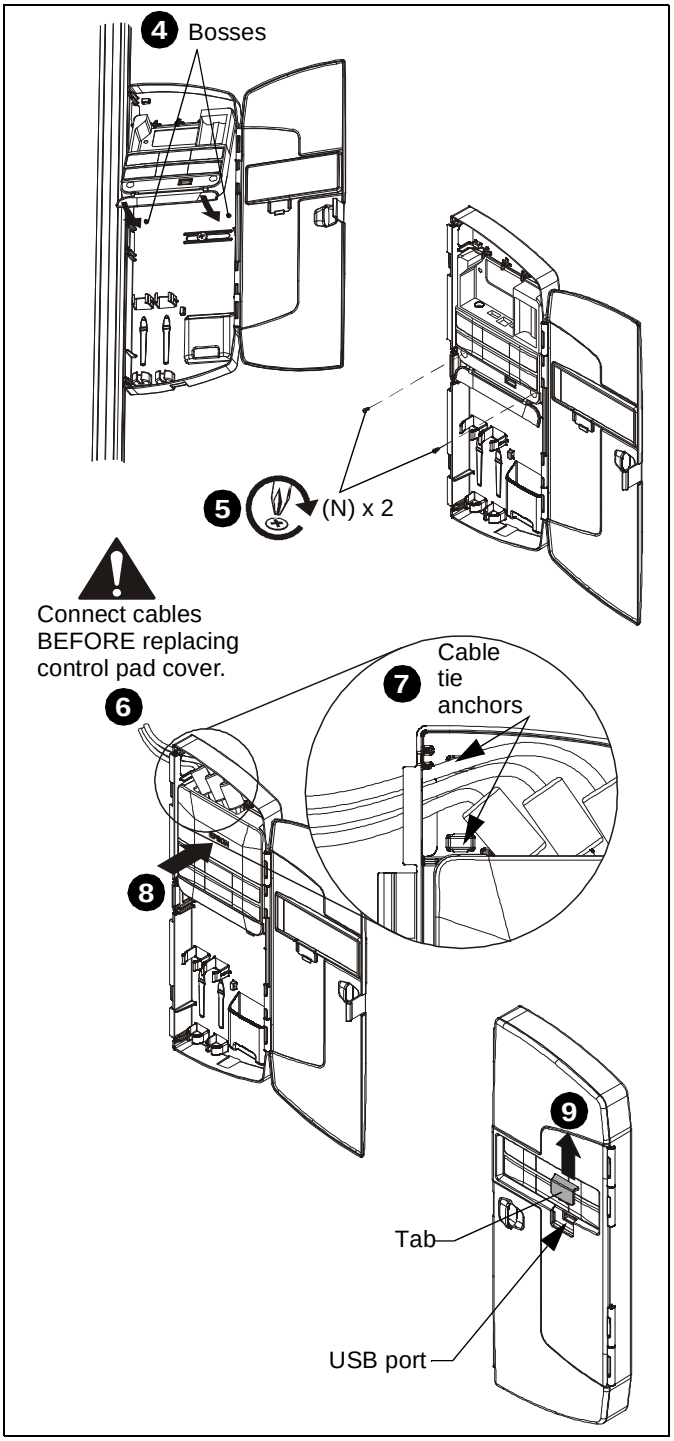


Figure 12

9. **OPTIONAL:** The tab in the control panel assembly door may be removed to allow attachment to the USB port. (See Figure 12)

Projector Adjustments

Yaw Adjustment

1. Loosen yaw adjustment locking screw using a #2 Phillips screwdriver. (See Figure 13)
2. Turn yaw micro-adjustment screw right or left using a #2 Phillips screwdriver until image is properly aligned on target.
3. Tighten yaw adjustment locking screw using a #2 Phillips screwdriver. (See Figure 13)

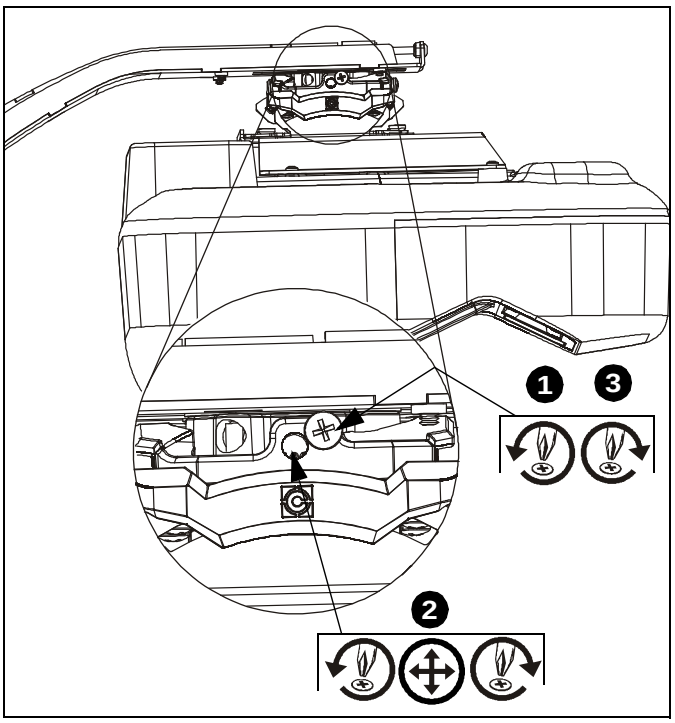


Figure 13

Pitch Adjustment

1. Loosen pitch adjustment locking screw using a #2 Phillips screwdriver. (See Figure 14)
2. Turn pitch micro-adjustment screw right or left using a #2 Phillips screwdriver until image is properly aligned on target.
3. Tighten pitch adjustment locking screw using a #2 Phillips screwdriver.

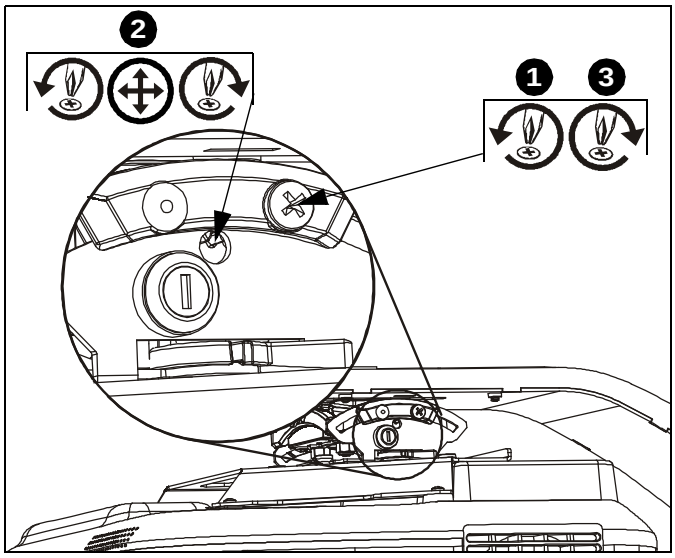


Figure 14

Roll Adjustment

1. Loosen roll adjustment locking screw using a #2 Phillips screwdriver. (See Figure 15)
2. Turn roll micro-adjustment screw right or left using a #2 Phillips screwdriver until image is properly aligned on target.
3. Tighten roll adjustment locking screw using a #2 Phillips screwdriver.

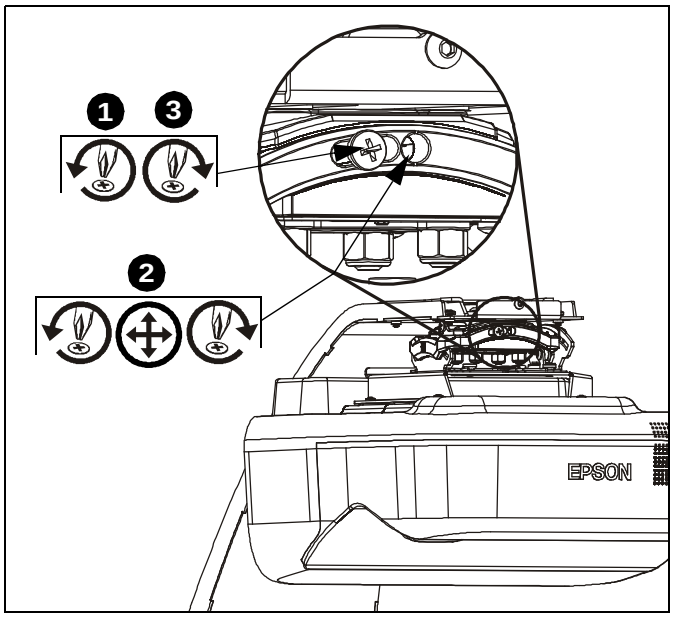


Figure 15

Micro Adjustment

1. If required, turn the micro adjust fastener **clockwise** to extend projector further from wall. (See Figure 16)
2. If required, turn the micro adjust fastener **counterclockwise** to retract projector closer to wall.

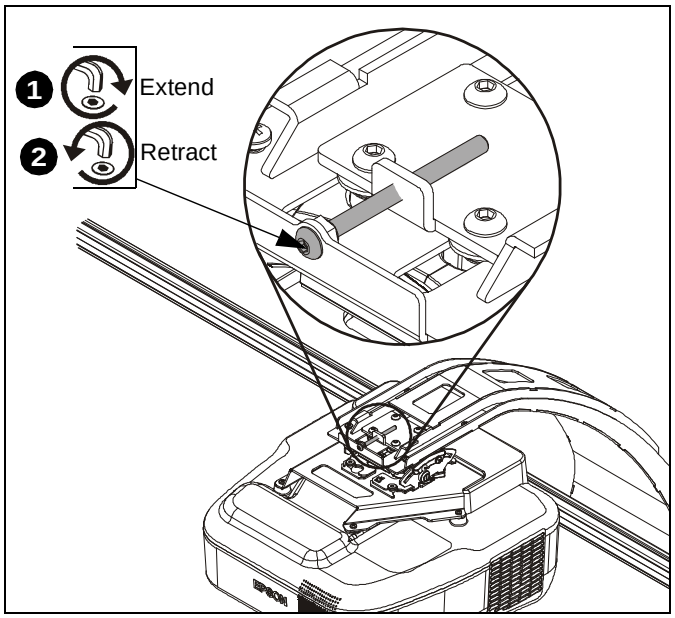


Figure 16

Attaching Marker Tray

1. Attach marker tray (X) at any point along bottom of screen frame using two #8 x 1/2" self-drilling screws (K). (See Figure 17)

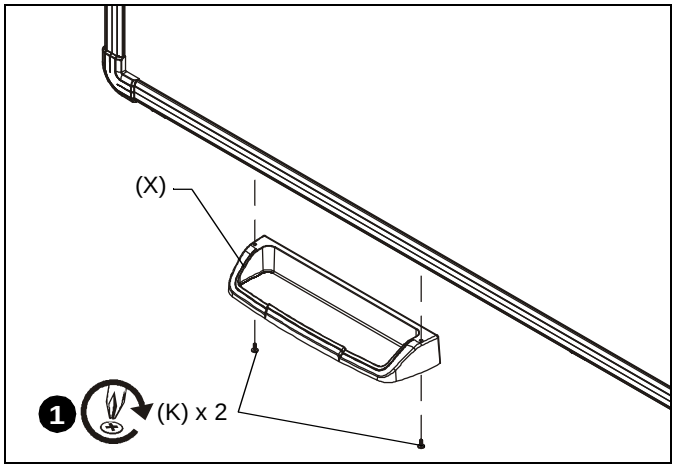


Figure 17

Attaching Valence

1. Align right valence bracket (Z) along **outside** of right brace on back of valence (BB), and fasten with two 10-24 x 3/8" Phillips pan head machine screws (H). (See Figure 18)
2. Align left valence bracket (Y) along **outside** of left brace on back of valence (BB), and fasten with two 10-24 x 3/8" Phillips pan head machine screws (H). (See Figure 18)

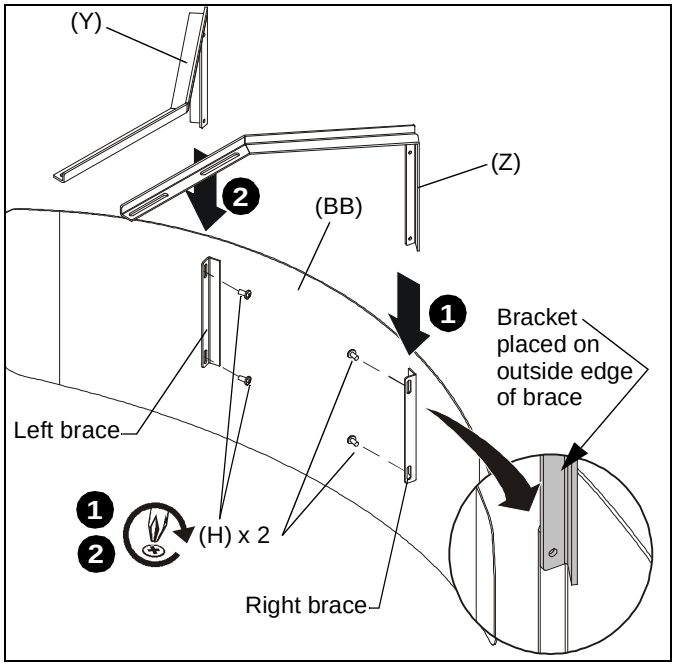


Figure 18

3. Slide the valence (BB) with attached brackets into the boom mount (V), sliding brackets under tabs in boom. (See Figure 19)
4. Adjust distance as required.
5. Fasten through bracket slots into boom mount using four 10-24 x 1/2" Phillips pan head machine screws (Q). (See Figure 19)

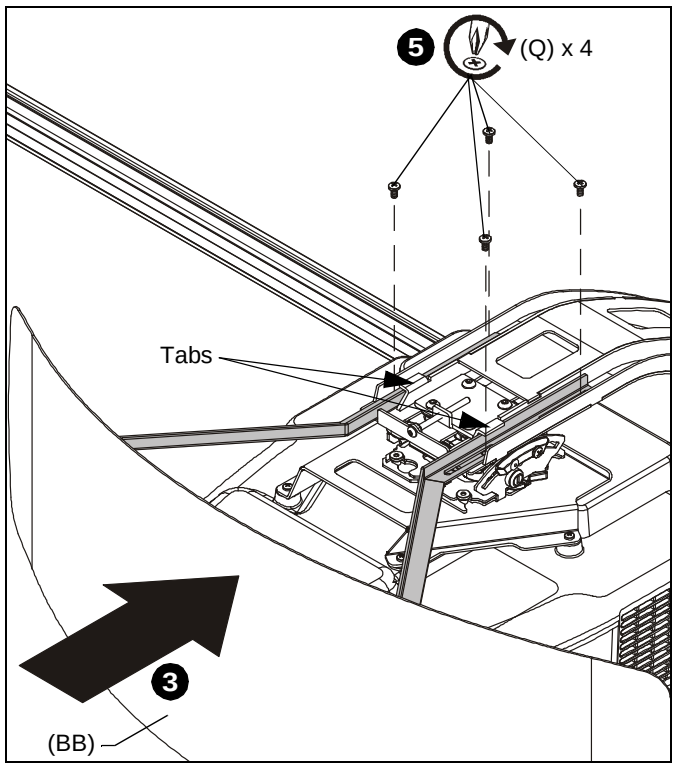


Figure 19

FASTENER INSTALLATION METHODS

NOTE: Refer to Table 1 for appropriate hardware and pilot hole sizes for various wall types.

Steel Stud / Drywall

1. Hold metal channel on anchor (E) flat alongside plastic straps and slide channel through hole. (See Figure 20)

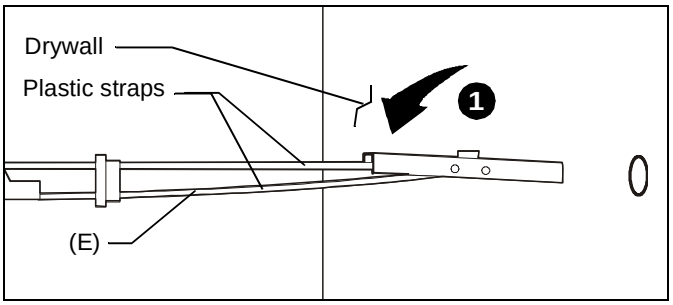


Figure 20

2. Holding plastic straps on anchor (E), pull anchor away from wall until channel rests flush behind wall making sure anchor channel is positioned vertically on drywall, or steel stud (if present). (See Figure 21)
3. Slide plastic cap on anchor (E) towards wall until flange of cap is flush with wall. (See Figure 21)

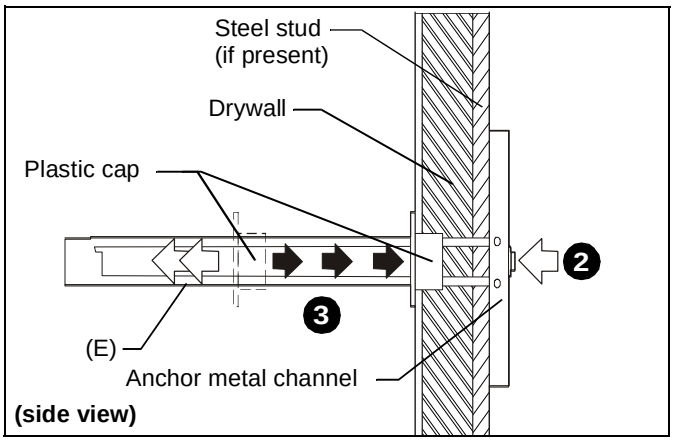


Figure 21

4. Snap off plastic straps on anchor at wall by pushing side to side, snapping off straps level with flange of plastic cap. (See Figure 22)

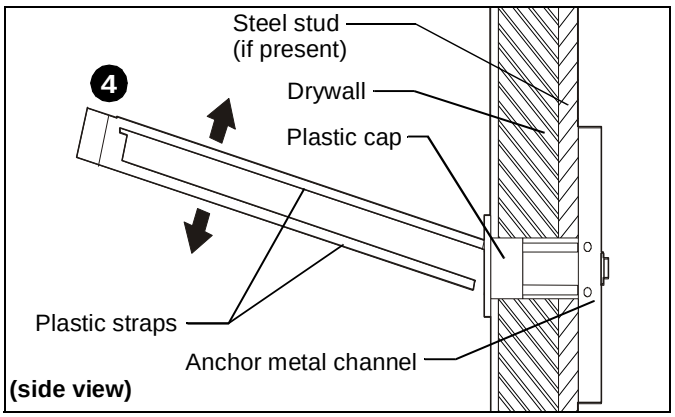


Figure 22

5. Line up anchor with attachment point.
6. Insert 1/4-20 x 1-3/4" Phillips pan head screw (C) through 1/4" washer (D), corresponding mounting hole in product and into anchor (E), and tighten until flush against product. DO NOT over tighten! (See Figure 23)

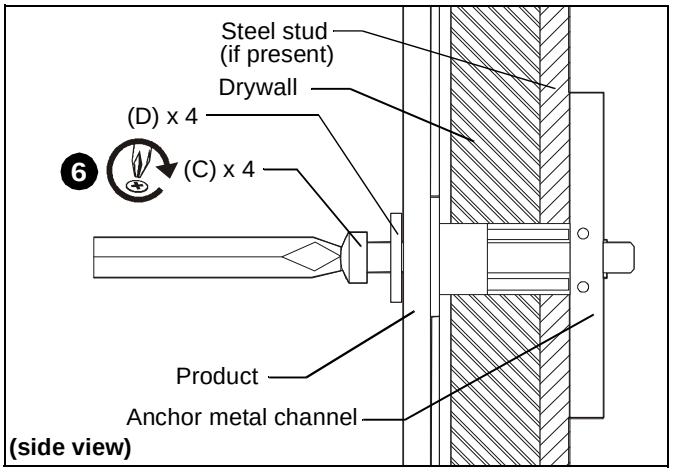


Figure 23

Wood Stud

NOTE: Refer to Table 1 for appropriate hardware and pilot hole sizes for various wall types.

1. Use one 1/4 x 2-1/2" lag bolt (A) through product and into pilot hole. (See Figure 24)
2. Repeat for remaining pilot hole.

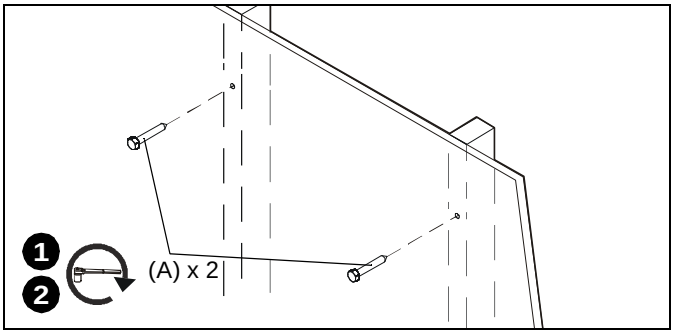


Figure 24

Concrete

NOTE: Refer to Table 1 for appropriate hardware and pilot hole sizes for various wall types.

1. Install an anchor (B) into each pilot hole using a hammer, making sure that the anchor is flush with the wall.
2. Use one 1/4 x 2-1/2" lag bolt (A) through product into each anchor in wall.

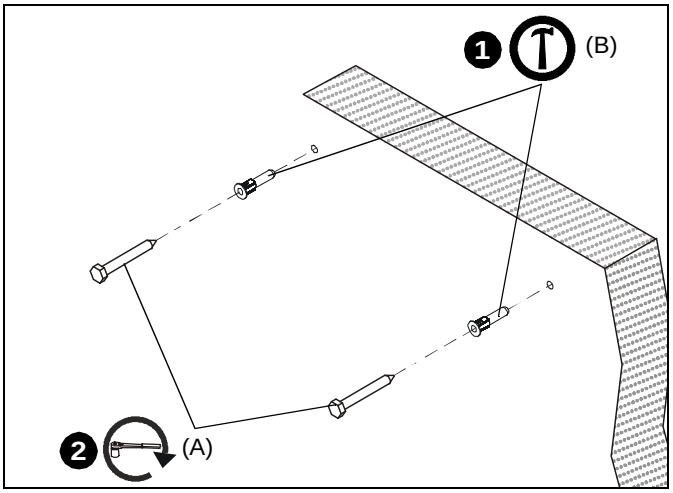


Figure 25

CHIEF®

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